"Build a static web site for Indian Cricket , Develop using HTML and CSS"
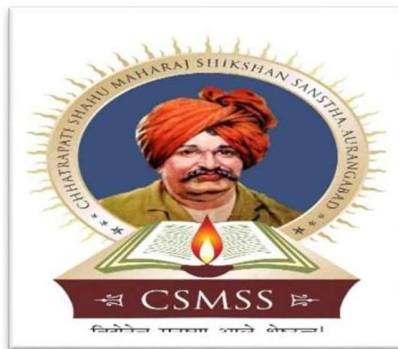
Submitted To

CSMSS College of Polytechnic, Chh.Sambhajinagar

Department of Computer Engineering

Training Conducted by

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<u>INTRODUCTION</u>

What is HTML?

The **Hyper Text Markup Language** or **HTML** is the standard markup language for documents designed to be displayed in a web browser. It defines the meaning and structure of web content. It is often assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for its appearance.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page.

Web Page: A web page is a document which is commonly written in HTML and translated by a web browser. A web page can be identified by entering an URL. A Web page can be of the static or dynamic type. With the help of HTML only, we can create static web pages.

Hence, HTML is a markup language which is used for creating attractive web pages with the help of styling, and which looks in a nice format on a web browser.

An HTML document is made of many HTML tags and each HTML tag contains different content.

Basic Structure of HTML

```html
<!DOCTYPE  html>
<html  lang="en">
     <head>
     <meta charset="UTF-8">
     <meta name="viewport" content="width=device-width , initial-scale=1.0">
               <title>Document</title>
     </head>
<body>
     <h1> Heading  Tag </h1>
     <P> Paragraph  tag </p>
</body>
</html>
```

Description of HTML Basic Structure

<!DOCTYPE>: This tag is used to tells the HTML version. This currently tells that the version of HTML is 5.0. It defines the document type or it instruct the browser about the version of HTML.

<html>: HTML is a root element of html. It's a biggest and main element in complete html language, all the tags , elements and attributes enclosed in it or we can say wrap init.

<head>: This tag contains the information about the HTML document .

 For example :- the title of the page , version of the HTML , Meta Data , etc.

<body>: A body tag is used to enclose all the data which a web page has from texts to links. All the content that you see rendered in the browser is contained within this element. Following tags and elements used in the body.

<title>: As its name suggested, it is used to add title of that HTML page which appears at the top of the browser window. It must be placed inside the head ta g and should close immediately.

<h1> : Text between <h1> tag describes the first level heading of the webpage.

<p> : Text between <p> tag describes the paragraph of the webpage.

What is CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML or XML (including XML dialects such as SVG, MathML or XHTML). CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

There are three types of CSS which are given below:

Inline: Inline CSS contains the CSS property in the body section attached with the element known as inline CSS.

Internal or Embedded: The CSS ruleset should be within the HTML file in the head section i.e the CSS is embedded within the HTML file.

External: External CSS contains a separate CSS file that contains only style property with the help of tag attributes.

Basic Format of Declaring CSS:-

```
<!DOCTYPE html>
<html>
    <head>
        <title> Web site name </title>


        <!-- Stylesheet of web page -->


    <style> CSS Rules Written In This Style Tag </style>


     </head>
     <body>


            <!-- Body section of web page -->


     </body>
     </html>
```

Project Code (Screenshots)

```html
Gaurav.html ×        # Patil.css

Gaurav.html > html > head > link
 1   <!DOCTYPE html>
 2   <html lang="en">
 3
 4   <head>
 5       <meta charset="UTF-8" />
 6       <meta http-equiv="X-UA-Compatible" content="IE=edge" />
 7       <meta name="viewport" content="width=device-width, initial-scale=1.0" />
 8
 9       <link rel="stylesheet" href="Patil.css" />
10       <title>Indian Cricket</title>
11   </head>
12
13   <body>
14       <main class="container">
15           <div class="container__left">
16               <div class="ribbon__white">
17                   <h3><span>I</span>CW<span>.</span></h3>
18               </div>
19               <div class="ribbon__red"></div>
20               <img src="peakpx.jpg" height="650pxl"
21                   alt="profile" />
22           </div>
23           <div class="container__right">
24               <div class="navbar">
25                   <span>Home</span>
26                   <span>All Teams</span>
27                   <span>Cricket </span>
28                   <span>Contact Us</span>
29                   <span class="join">Join</span>
30               </div>
```

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‹› Gaurav.html › ⬡ html › ⬡ head › ⬡ link

```html
31              <div class="content">
32                  <h1>Indian<br /><span>Programming Wala</span><br />Cricket Academy<span>.</span></h1>
33                  <p>
34                      A cricket academy is a training center for aspiring cricket players, where they
                        can receive
35                      professional coaching and guidance to improve their skills and prepare for
                        competitive cricket. The
36                      academy provides a structured learning environment where players can work on
                        their batting, bowling,
37                      fielding, and overall fitness, under the supervision of experienced coaches.
38                  </p>
39              </div>
40
41          </div>
42      </main>
43  </body>
44
45  </html>
```

```css
1    @import url("https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;700;800&display=swap");
2
3      :root {
4        --primary-color: #e79b0c;
5        --primary-color-dark: #d7204e;
6        --secondary-color: #000000;
7        --text-dark: #1f2937;
8        --extra-light: #ffffff;
9
10       --max-width: 600px;
11     }
12
13     * {
14       padding: 0;
15       margin: 0;
16       box-sizing: border-box;
17     }
18
19     a {
20       text-decoration: none;
21     }
22
23     body {
24       font-family: "Poppins", sans-serif;
25     }
26
```

```css
27      .container {
28        min-height: 100vh;
29        background-color: var(--secondary-color);
30        display: flex;
31      }
32
33      .container__left,
34      .container__right {
35        flex: 1;
36        position: relative;
37      }
38
39      .ribbon__white {
40        position: absolute;
41        height: 100%;
42        width: 400px;
43        top: 0;
44        right: 5rem;
45        text-align: center;
46        background-color: var(--extra-light);
47      }
48
49      .ribbon__white h3 {
50        padding: 2rem;
51        font-size: 2.5rem;
52        font-weight: 800;
53        color: var(--text-dark);
54      }
```

```css
52
53        .ribbon__white h3 span {
54          color: var(--primary-color);
55        }
56
57        .container__left img {
58          position: absolute;
59          bottom: 0;
60          right: calc(5rem + 40px);
61          width: 320px;
62        }
63
64        .container__right {
65          padding-left: 2rem;
66          display: flex;
67          align-items: center;
68          justify-content: flex-start;
69        }
70
71        .navbar {
72          padding: 2.5rem 0;
73          position: absolute;
74          top: 0;
75          display: flex;
76          align-items: center;
77          gap: 3rem;
78        }
```

```css
 79
 80        .navbar span {
 81          padding: 0.5rem;
 82          color: var(--extra-light);
 83          font-size: 1rem;
 84          font-weight: 500;
 85          transition: 0.3s;
 86        }
 87
 88        .navbar span:hover {
 89          color: var(--primary-color);
 90          cursor: pointer;
 91        }
 92
 93        .navbar .join {
 94          width: 80px;
 95          text-align: center;
 96          font-weight: 500px;
 97          border-radius: 5rem;
 98          background-color: var(--primary-color);
 99          color: var(--extra-light) !important;
100          transition: 0.3s;
101        }
102
103        .navbar .join:hover {
104          background-color: var(--primary-color-dark);
105        }
106
```

```css
107     .content {
108       max-width: var(--max-width);
109       display: grid;
110       gap: 1rem;
111     }
112
113     .content h1 {
114       color: var(--extra-light);
115       font-size: 4rem;
116       line-height: 4rem;
117     }
118
119     .content h1 span {
120       color: var(--primary-color);
121     }
122
123     .content p {
124       color: var(--extra-light);
125     }
126
127   label {
128     display: block;
129     margin-bottom: 10px;
130   }
131   input {
132     width: 100%;
133     padding: 10px;
134     margin-bottom: 20px;
135   }
```

```css
button {
  display: block;
  width: 100%;
  padding: 10px;
  background-color: #007bff;
  color: #fff;
  border: none;
  cursor: pointer;
}

p#result {
  margin-top: 20px;
  text-align: center;
  font-weight: bold;
  font-size: 18px;
}
```

References

Website links:-

- What is HTML - javatpoint

- CSS - GeeksforGeeks

- H T M L - W i k i p e d i a
- C S S - W i k i p e d i a
- H T M L   S t r u c t u r e   (r k o n l i n e . i n)
- H o w   C S S   i s   s t r u c t u r e d   (l i n u x h i n t . c o m)

Recommend Books: -

- Web Style Guide: Basic Design Principles for Creating Web Sites by

  Patrick J. Lynch

- Mastering CSS by Rich Finelli, Released October 2017 Publisher(s): Packt Publishing

- Full Stack Web Development with Raspberry Pi 3 Paperback – Import, 3 August 2017(Available on Amazon)

- Get Coding! Learn HTML, CSS & JavaScript & Build a Website, App & Game – by Young Rewired State

- Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics

Software Used:-

- Visual Studio Code
  - Extensions in VS Code:
    - I. Live Server
    - II. Elm Emmet, JSS,Live and Key bindings
    - III. HTML Boilerplate

- Microsoft edge browser or Google Chrome

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